

+5 Lifetime Limited Warranty

The duration of the warranty for the Dual Speed Hub 500 - Hub 10 Cascade Converter Module (3C16686) is lifetime.

Advance hardware exchange is available for the first five years from your date of purchase in accordance with 3Com's standard terms and conditions for such service. After the fifth year, the warranty reverts to 3Com's standard lifetime limited warranty.

To qualify for the lifetime limited warranty and the advance hardware exchange, you must submit the appropriate product warranty registration card to 3Com, otherwise this product will be warranted for a period of one (1) year without advance hardware exchange.

HARDWARE: 3Com warrants its hardware products to be free from defects in workmanship and materials, under normal use and service, for the following lengths of time from the date of purchase from 3Com or its Authorized Reseller:

Network adapters	Lifetime
Other hardware products	One year unless otherwise specified above
Spare parts and spares kits	90 days

If a product does not operate as warranted above during the applicable warranty period, 3Com shall, at its option and expense, repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

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In the unlikely event that this product is found to be damaged on arrival, or fails to function once installed, you should contact your distributor or reseller for advice.

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including the Document title, the Document part number (on the title page) and the Page number (if appropriate).

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Super Stack II

DUAL SPEED HUB 500 – HUB 10 CASCADE
CONVERTER KIT USER GUIDE
(3C16686)

Introduction

The SuperStack® II Dual Speed Hub 500 – Hub 10 Cascade Converter Kit (3C16686) is designed to allow a managed SuperStack II Hub 10 stack to be connected to a managed SuperStack II Dual Speed Hub 500 to form a single stack. The kit contains a module and a cascade cable.


The Module connects 10Mbps data from the 10Mbps stack to the 10/100Mbps stack via a Dual Speed Hub 500 Cascade cable. This cable also connects the management traffic. This method allows the use of the superior management Web interface of the Dual Speed Hub 500, while maintaining the look and feel of Hub 10 management.


The Cascade Converter Module is intended for use with stacks of the following products:

- SuperStack II Hub 10 6-port Fiber
- SuperStack II Hub 10 12-port TP
- SuperStack II Hub 10 24-port TP
- SuperStack II Hub 10 24-port Telco

fitted with:

- SuperStack II Hub 10 Management Module, or
- SuperStack II Hub 10 Advanced RMON Module.

 *The Module may be used in stacks of LinkBuilder FMS II and/or LinkBuilder FMS units provided the stack has appropriate management. See the manual which accompanied the units for more details.*

 *Only ONE Cascade Converter Module may be used in the final stack.*

This guide is written for the installation engineer and the network administrator who manages and maintains the network.

After installing the module, this guide should be stored with your other 3Com user guides.

Technical Information

Mechanical

Weight	100 g (0.22 lb)
Size	120 x 78 x 21 mm (4.7 x 3.1 x 0.8in)

Electrical

Power Consumption	3 Watts
Heat Dissipation	3 Watts

Standards

Functional	ISO/IEC 8802-3 IEEE 802.1D
Safety	IEC 950 UL 1950 EN 60950 CSA 22.2 #950
Environmental	EN 60068
EMC	EN55022 Class A FCC Part 15 Class A ICES-003 Class A EN50082-1 AS/NZS 3548 Class A VCCI Class A CISPR 22 Class A

Electromagnetic Compatibility

FCC Statement:
This equipment has been tested with a Class A computing device and has been found to comply with part 15 of FCC Rules. Operation in a residential area may cause unacceptable interference to radio and TV receptions requiring the operator to take whatever steps are necessary to correct the interference.

CSA Statement:
This Class A digital apparatus meets all requirements of the Canadian Interference-causing Equipment Regulations.
Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

VCCI Statement

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。**VCCI—A**

Year 2000 Compliance

For information on the Year 2000 compliance and 3Com products, visit the 3Com Year 2000 Web page at URL:
<http://www.3com.com/products/yr2000.html>

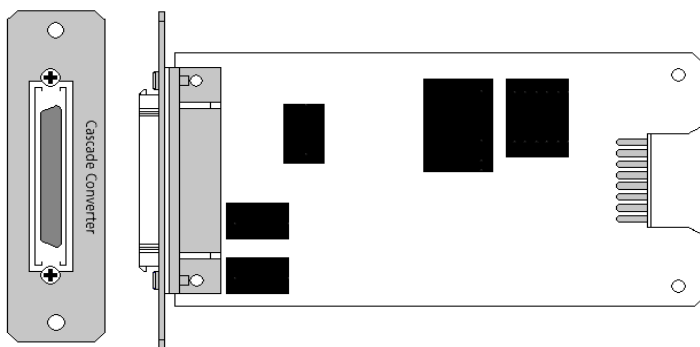


Figure 1 Cascade Converter Module

Important Safety Information



WARNING: Installation and removal of the Module must be carried out by qualified personnel only. Before installing the Module into a hub, you must first disconnect the hub from the mains power supply. For full safety instructions, refer to the user guide that accompanies the hub.

L'information de Sécurité Importante



AVERTISSEMENT: Confiez l'installation et la dépose de ce module à un personnel qualifié. Avant d'installer ce module dans un groupe, vous devez au préalable débrancher ce groupe de l'alimentation secteur. Pour prendre connaissance des consignes complètes de sécurité, consultez le guide utilisateur qui accompagne ce groupe.

Wichtige Sicherheitsinformationen



WARNUNG: Die Installation und der Ausbau des Moduls darf nur durch Fachpersonal erfolgen. Vor dem Installieren des Moduls in einem Gerät muß zuerst der Netzstecker des Geräts abgezogen werden. Vollständige Sicherheitsanweisungen sind dem Benutzerhandbuch des Geräts zu entnehmen.

Handling the Module



CAUTION: The Module can easily be damaged by electrostatic discharge.

To prevent damage, please observe the following:

- Do not remove the Module from its packaging until you are ready to install it into the hub.

- Do not touch any of the pins, connections or components on the Module.
- Handle the Module only by its edges and front panel.
- Always wear an anti-static wristband connected to a suitable earth point.
- Always store or transport Modules in appropriate anti-static packaging.

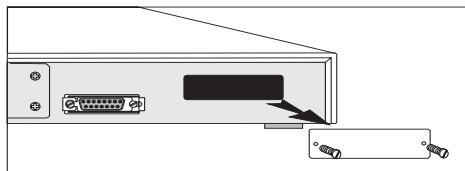
Installing the Module into a Hub 10

The Cascade Converter Module must be installed in the top unit of the managed Hub 10 stack.



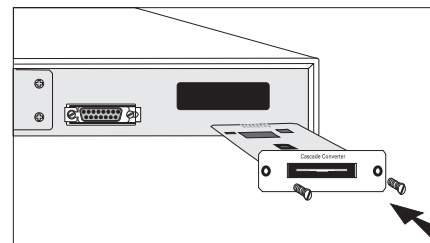
CAUTION: Do not install the Module in unsuitable hubs such as those in the Dual Speed Hub ranges. Contact your supplier for advice if necessary.

- Ensure that the hub is disconnected from the mains power supply, and you are wearing an anti-static wristband connected to a suitable earth point.
- With the hub on a flat surface, remove the screws of the blanking plate from the rear of the hub. Do not remove any other screws from the rear of the hub.



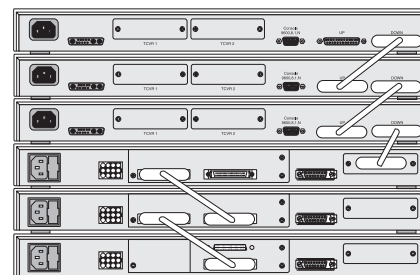
- Keep the blanking plate in a safe place. If you remove the Module, you must replace the blanking plate to prevent dust and debris entering the hub and maintain cooling air circulation.

- Hold the Module so that the text on its front panel is upright, and slide it into the hub, ensuring the edge connector is fully engaged. The front panel of the Module should lie flush against the rear panel of the hub. Fix the front panel of the Module to the hub using the two screws from the blanking plate.



Connecting the Module

- Ensure the Hub 10 stack (unit) is disconnected from the power source.
- Connect the female connector on the Cascade cable to the Module.



- Ensure the managed Dual Speed Hub 500 stack (unit) is disconnected from the power source.
- Complete the new stack by placing the Dual Speed Hub 500 stack (unit) on top of the Hub 10 stack.



CAUTION: The maximum number of mixed units which may be physically stacked is six. Larger stacks must be rack-mounted.

- Connect the other end of the Cascade cable to a 'DOWN' socket on the bottom unit of a Dual Speed Hub 500 stack.
- Power up the managed Hub 10 stack.
- Power up the managed Dual Speed Hub 500 stack.
- Check the LED on the top Hub 10 unit to ensure that the Module is operating correctly.

Now you can manage the Hub 10 stack with the Dual Speed Hub 500 stack. The manual (DUA1668-5AAA0X) in this kit gives details.

LEDs

LEDs on the front of the hub indicate the Module status. Refer to the user guide that accompanies the Hub10 unit for a description of the LED behavior.

Power Supply And Fuses

All power is supplied by the host Hub 10 unit. There are no fuses on the Module.

Trouble Shooting

If you suspect a problem, carry out the following checks before contacting your supplier:

- Ensure that the managed Dual Speed Hub 500 stack is powered up and operating correctly.
- Ensure the Module is correctly installed.
- Ensure the Hub 10 stack in which the Module is fitted is powered up.
- Check that all connectors on the Cascade cables are correctly engaged.
- Ensure that the Management Module in the Hub 10 stack is properly installed. You will see the Hub 10 unit even if the Hub 10 Management Module is not operating, but you will not be able to manage the Hub 10 stack.

Should you be unable to rectify the problem, consult your supplier with the following information:

- product number and converter module serial number.
- a brief description of the fault.